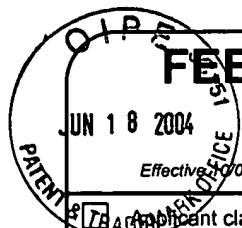


Dre 1641/14



FEE TRANSMITTAL for FY 2004

JUN 18 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 I declare that all persons named as inventors in this application are my associates and I am the assignee of the entire interest in this invention.

TOTAL AMOUNT OF PAYMENT (\$ 180)

Complete if Known	
Application Number	09/970,453
Filing Date	October 2, 2001
First Named Inventor	Eyal, Shulamit
Examiner Name	1641
Art Unit	Cook, Lisa V.
Attorney Docket No.	20174C-002410US

METHOD OF PAYMENT (check all that apply)

- Check Credit Card Money Order Other None
 Deposit Account:

Deposit Account Number

20-1430

Deposit Account Name

Townsend and Townsend and Crew LLP

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
				X	
				X	
				X	

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	" Reissue independent claims over original patent
1205	18	2205	9	" Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Entity	Small Entity	Entity	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive – unavoidable	
1453	1,330	2453	665	Petition to revive – unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Petitions related to provisional applications	
1806	180	1806	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

(\$180)

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Scott L. Ausenhus	Registration No. (Attorney/Agent)	42,271	Telephone	303-571-4000
Signature				Date	6-16-04

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	09/970,453
Filing Date	October 2, 2001
First Named Inventor	Eyal, Shulamit
Art Unit	1641
Examiner Name	Cook, Lisa V.
Attorney Docket Number	20174C-002410US

ENCLOSURES (Check all that apply)

- Fee Transmittal Form
 Fee Attached
 Amendment/Reply
 After Final
 Affidavits/declaration(s)
 Extension of Time Request
 Express Abandonment Request
 Information Disclosure Statement
 Certified Copy of Priority Document(s)
 Response to Missing Parts/ Incomplete Application
 Response to Missing Parts under 37 CFR 1.52 or 1.53

- Drawing(s)
 Licensing-related Papers
 Petition
 Petition to Convert to a Provisional Application
 Power of Attorney, Revocation Change of Correspondence Address
 Terminal Disclaimer
 Request for Refund
 CD, Number of CD(s) _____

- After Allowance Communication to Group
 Appeal Communication to Board of Appeals and Interferences
 Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
 Proprietary Information
 Status Letter
 Other Enclosure(s) (please identify below):
 Return Postcard, copies of one-hundred and twenty (120) cited references

Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Townsend and Townsend and Crew LLP	Reg. No. 42,271
Signature		
Date	6-16-04	

CERTIFICATE OF TRANSMISSION/MAILING

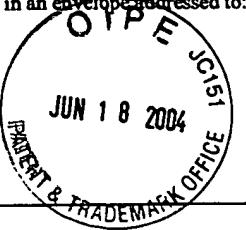
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Nicole Wartell
Signature	
Date	6/16/04

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Alexandria, VA 22313-1450

On JUNE 18, 2004



TOWNSEND and TOWNSEND and CREW LLP

By: Nicole M. Wartell

Nicole M. Wartell

PATENT
Attorney Docket No.: 20174C-002410US
Client Reference No.: CIT-3366

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Shulamit Eyal et al.

Application No.: 09/970,453

Filed: October 2, 2001

For: VELOCITY INDEPENDENT
ANALYTE CHARACTERIZATION

Examiner: Cook, Lisa V.

Art Unit: 1641

**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

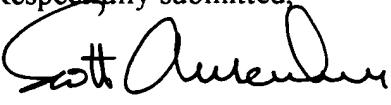
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

06/21/2004 CCHAU1 00000081 201430 09970453
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representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Scott L. Ausenhus
Reg. No. 42,271

TOWNSEND and TOWNSEND and CREW LLP
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San Francisco, California 94111-3834
Tel: 303-571-4000
Fax: 303-571-4321
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60199936 v1



Substitute for form 1449A/PTO				Complete If Known	
				Application Number	09/970,453
				Filing Date	October 2, 2001
				First Named Inventor	Eyal, Shulamit
				Art Unit	1641
				Examiner Name	Cook, Lisa V.
Sheet	1	of	8	Attorney Docket Number	20174C-002410US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No.	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-3,570,515	03-16-1971	Kinner	
	A2	US-3,747,628	07-24-1973	Holster et al.	
	A3	US-4,046,159	09-06-1977	Pegourie	
	A4	US-4,119,368	10-10-1978	Yamakazi	
	A5	US-4,153,855	05-08-1979	Feingold	
	A6	US-4,245,673	01-20-1981	Boutaille et al.	
	A7	US-4,434,704	03-06-1984	Surjaatmadja	
	A8	US-4,898,582	02-06-1990	Faste	
	A9	US-5,085,562	02-04-1992	Van Lintel	
	A10	US-5,088,515	02-18-1992	Kamen	
	A11	US-5,096,388	03-17-1992	Weinberg	
	A12	US-5,126,115	06-30-1992	Fujita et al.	
	A13	US-5,164,558	11-17-1992	Huff et al.	
	A14	US-5,171,132	12-15-1992	Miyazaki	
	A15	US-5,224,843	07-06-1993	Van Lintel	
	A16	US-5,259,737	11-09-1993	Kamisuda et al.	
	A17	US-5,265,327	11-30-1993	Faris et al.	
	A18	US-5,290,240	03-01-1994	Horres, Jr.	
	A19	US-5,336,062	08-09-1994	Richter	
	A20	US-5,346,372	09-13-1994	Naruse et al.	
	A21	US-5,375,979	12-27-1994	Treh	
	A22	US-5,376,252	12-27-1994	Ekstrom	
	A23	US-5,400,741	03-28-1995	DeTitta et al.	
	A24	US-5,423,287	06-13-1995	Usami et al.	
	A25	US-5,529,465	06-25-1996	Zengerle et al.	
	A26	US-5,593,130	01-14-1997	Hansson et al.	
	A27	US-5,642,015	06-24-1997	Whitehead et al.	
	A28	US-5,659,171	08-19-1997	Young et al.	
	A29	US-5,660,370	08-26-1997	Webster	
	A30	US-5,681,024	10-28-1997	Lisec et al.	
	A31	US-5,705,018	01-06-1998	Hartley	
	A32	US-5,759,014	06-02-1998	Van Lintel	
	A33	US-5,775,371	07-07-1998	Pan et al.	
	A34	US-5,836,750	11-17-1998	Cabuz	
	A35	US-5,842,787	12-01-1998	Kopf-Sill et al.	
	A36	US-5,875,817	03-02-1999	Carter	
	A37	US-5,876,187	03-02-1999	Afromowitz	
	A38	US-5,932,799	08-03-1999	Moles	
	A39	US-5,942,443	08-24-1999	Parce et al.	
	A40	US-6,007,309	12-28-1999	Hartley	
	A41	US-6,043,080	03-28-2000	Lipshutz et al.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to



INSTITUTE FOR FORM 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
Sheet	2	of	8	Application Number	09/970,453
				Filing Date	October 2, 2001
				First Named Inventor	Eyal, Shulamit
				Art Unit	1641
				Examiner Name	Cook, Lisa V.
				Attorney Docket Number	20174C-002410US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A42	US-6,123,769	09-26-2000	Sanjoh	
	A43	US-6,155,282	12-05-2000	Zachary et al.	
	A44	US-6,174,365 B1	01-16-2001	Sanjoh	
	A45	US-6,296,673 B1	10-02-2001	Santarsiero et al.	
	A46	US-6,409,832 B1	08-25-2002	Weigl et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	B1	EPO	EP 0 592 094 A2	04-13-1994			<input type="checkbox"/>
	B2	EPO	EP 0 703 364 A1	03-27-1996			<input type="checkbox"/>
	B3	EPO	EP 0 706 004 A2	04-10-1996			<input type="checkbox"/>
	B4	EPO	EP 0 779 436 A2	06-18-1997			<input type="checkbox"/>
	B5	EPO	EP 0 829 360 A2	03-18-1998			<input type="checkbox"/>
	B6	EPO	EP 0 845 603 A1	06-03-1998			<input type="checkbox"/>
	B7	EPO	EP 0 999 055 A2	05-10-2000			<input type="checkbox"/>
	B8	GB	2 155 152 A	09-18-1985			<input type="checkbox"/>
	B9	GB	2 308 460 A	06-25-1997			<input type="checkbox"/>
	B10	PCT	WO 98/07069 A1	02-19-1998			<input type="checkbox"/>
	B11	PCT	WO 99/17093 A1	04-08-1999			<input type="checkbox"/>
	B12	PCT	WO 00/60345 A1	10-12-2000			<input type="checkbox"/>

Examiner Signature	Date Considered
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PTO/SB/08B (08-03)



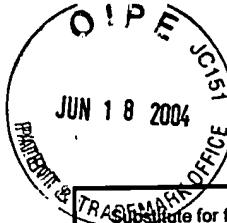
Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				<i>Application Number</i>	09/970,453
(use as many sheets as necessary)				<i>Filing Date</i>	October 2, 2001
				<i>First Named Inventor</i>	Eyal, Shulamit
				<i>Art Unit</i>	1641
				<i>Examiner Name</i>	Cook, Lisa V.
Sheet	3	of	8	<i>Attorney Docket Number</i>	20174C-002410US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	C1	"Acousto-Optic Modulators" available at www.brimrose.com/acousto_modulators.html , 9-27-2000		
	C2	AHN et al., "Fluid Micropumps Based on Rotary Magnetic Actuators," Proceedings of 1995 IEEE Micro Electro Mechanical Systems Workshop (MEMS '95), held in Amsterdam, Netherlands on 1/29-2/2/1995, pgs. 408-412.		
	C3	BENARD et al., "A Titanium-Nickel Shape-Memory Alloy Actuated Micropump," Proceedings of Transducers '97, 1997 International Conference on Solid-State Sensors and Actuators, held in Chicago, IL, 6/16-19/1997, 1:361-364 (1997).		
	C4	BRECHTEL et al.; "Control of the electroosmotic flow by metal-salt-containing buffers", J Chromatography A, 1995, pp. 97-105, Vol. 716		
	C5	BRYZEK et al.; "Micromachines on the March", IEEE Spectrum, 1994, pp. 20-31, Vol. 31, No. 5		
	C6	BUCHAILLOT et al.; "Silicon nitride thin films Young's modulus determination by an optical non-destructive method", Jpn. J Appl Phys, 1995, pp. L794-L797, Vol. 36, No. 2:6B		
	C7	CHIU et al.; "Patterned Deposition of Cells and Proteins onto Surfaces by Using Three-Dimensional Microfluidic Systems", Proc. Natl. Acad. Sci., 2000, pp. 2408-2413, Vol. 97, No. 6		
	C8	DELAMARCHE et al.; "Patterned delivery of immunoglobulins to surfaces using microfluidic networks", Science, 1997, pp. 779-781, Vol. 276		
	C9	DUFFY et al. "Patterning Electroluminescence Materials with Feature Sizes as Small as 5μm Using Elastomeric Membranes as Masks for Dry Lift-Off", Advanced Materials, 1999, pp. 546-552, Vol. 11, No. 7		
	C10	DUFFY et al. "Rapid Prototyping of Microfluidic Switches in Poly(dimethylsiloxane) and Their Actuation by Electro-Osmotic Flow" Journal of Microeng, 1999, pp. 211-217, Vol. 9		
	C11	DUFFY et al. "Rapid Prototyping of Microfluidic Systems in Poly(dimethylsiloxane)", Analytical Chemistry, 1998, pp. 4974-4984, Vol. 70, No. 23.		
	C12	EFFENHAUSER et al.; "Integrated capillary electrophoresis on flexible silicone microdevices: Analysis of DNA restriction fragments and detection of single DNA molecules on microchips", Anal. Chem, 1997, pp. 3451-3457, Vol. 69.		

Examiner Signature	Date Considered
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SUBSTITUTE FOR FORM 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

				<i>Complete if Known</i>
<i>Application Number</i>	09/970,453			
<i>Filing Date</i>	October 2, 2001			
<i>First Named Inventor</i>	Eyal, Shulamit			
<i>Art Unit</i>	1641			
<i>Examiner Name</i>	Cook, Lisa V.			
<i>Attorney Docket Number</i>	20174C-002410US			

Sheet

4

of

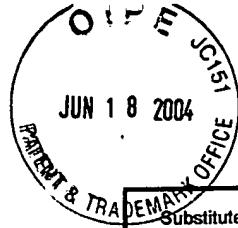
8

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	C13	EFFENHAUSER et al.; "Integrated chip-based capillary electrophoresis", Electrophoresis, 1997, pp. 2203-2213, Vol. 18		
	C14	FAHRENBERG et al. "A microvalve system fabricated by thermoplastic molding", J Micromech Microeng, 1995, pp.169-171, Vol. 5		
	C15	GASS et al., "Integrated flow-regulated silicon micropump," Sensors and Actuators A Physical, 1994, p. 335-338, Vol. 43.		
	C16	GERLACH, T., "Pumping Gases by a Silicon Micro Pump with Dynamic Passive Valves," Proceedings of Transducers '97, 1997 International Conference on Solid-State Sensors and Actuators, held in Chicago, IL, 6/16-19/1997, pp. 357-360, Vol. 1.		
	C17	GOLL et al., "Microvalves with bistable buckled polymer diaphragms," J. Micromech. Microeng., 1996, pp.77-79, Vol. 6		
	C18	GRAVESEN et al.; "Microfluids- A Review", Journal Micromech Microeng, 1993, pp. 168-192, Vol. 3		
	C19	HARRISON et al., "Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip," Science, 1993, pp.895-897, Vol. 261		
	C20	HORNBECK et al., "Bistable Deformable Mirror Device," Spatial Light Modulators and Applications 1988 Technical Digest Series, Volume 8, Postconference Edition, Summaries of papers presented at the Spatial Light Modulators and Applications Topical Meeting, June 15-17, 1988, Optical Society of America, pgs. 107-110.		
	C21	HOSOKAWA et al., "Handling of Picoliter Liquid Samples in a Poly(dimethylsiloxane)-Based Microfluidic Device," Anal. Chem., 1999, 71(20):4781-4785		
	C22	IKUTA et al., "Three dimensional micro integrated fluid systems (MIFS) fabricated by stereo lithography," IEEE Kyushu Institute of Technology, 1994, pp. 1-6.		
	C23	JACOBSON et al., "High-speed separations on a microchip," Anal. Chem., 1994, 66(7):1114-1118.		
	C24	JACOBSON et al., "Microfluidic Devices for Electrokinetically Driven Parallel and Serial Mixing," Anal. Chem., 1999, 71(20):4455-4459.		

Examiner Signature	Date Considered
--------------------	-----------------

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²Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.



JUN 18 2004

PTO/SB/08B (08-03)

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 5 of 8			Complete if Known
<i>Application Number</i>	09/970,453		
<i>Filing Date</i>	October 2, 2001		
<i>First Named Inventor</i>	Eyal, Shulamit		
<i>Art Unit</i>	1641		
<i>Examiner Name</i>	Cook, Lisa V.		
		<i>Attorney Docket Number</i>	20174C-002410US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C25	JERMAN, H., "Electrically-Activated, Normally-Closed Diaphragm Valves," Proceedings of Transducers '91, 1991 International Conference on Solid-State Sensors and Actuators, pages 1045-1048 (1991).	
	C26	JUNG et al., "Chemical and Physical Interactions at Metal/Self-Assembled Organic Monolayer Interfaces," Critical Reviews in Solid State and Material Sciences, 1994, pp. 1-54, Vol. 19, No. 1.	
	C27	KENIS et al. "Microfabrication Inside Capillaries Using Multiphase Laminar Flow Patterning," Science, 1999, 285:83-85.	
	C28	KIM, ENOCH et al., "Micromolding in Capillaries: Applications in Material Science," J. American Chemical Society, 118:5722-5731 (1996).	
	C29	KOPP et al. "Chemical Amplification: Continuous-Flow PCR on a Chip", Science, 1998, 280:1046-1048.	
	C30	KUHN et al. "Silicon Charge Electrode Array for Ink Jet Printing", IEEE Transactions on Electron Devices, 1978, pp. 1257-1260, Vol. ED-25, No. 10.	
	C31	LIN et al. "Free-Space Micromachined Optical Switches for Optical Networking," IEEE J. Selected Topics in Quantum Electronics, 1999, pp. 4-9, Vol. 5, No. 1.	
	C32	LÖTTERS et al. "The mechanical properties of the rubber elastic polymer polydimethylsiloxane for sensor applications," J. Micromech. Microeng., 1997, 7:145-147.	
	C33	LUCY et al., "Characterization of the Cationic Surfactant Induced Reversal of Electroosmotic Flow in Capillary Electrophoresis," Anal. Chem., 1996, pp. 300-305, Vol. 68.	
	C34	MALUF, N., An Introduction to Microelectromechanical Systems Engineering, Artech House Publishers, Boston London pages 42-45.	
	C35	MULLER et al., "Surface-Micromachined Microoptical Elements and Systems," Proceedings of IEEE, 1998, 86(8):1705-1720.	
	C36	OLSSON et al., "Simulation Studies of Diffuser and Nozzle Elements for Valve-less Micropumps," Proceedings of Transducers '97, 1997 International Conference on Solid-State Sensors and Actuators, held in Chicago, IL, 6/16-19/1997, 2:1039-1042 (1997).	

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JUN 18 2004

PTO/SB/08B (08-03)

TRADEMARK OFFICE
Substitute for form 1449B/PTO**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

			Complete if Known	
<i>Application Number</i>			09/970,453	
<i>Filing Date</i>			October 2, 2001	
<i>First Named Inventor</i>			Eyal, Shulamit	
<i>Art Unit</i>			1641	
<i>Examiner Name</i>			Cook, Lisa V.	
<i>Attorney Docket Number</i>			20174C-002410US	

Sheet

6 of 8

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	C37	PETHIG & MARKX "Applications of dielectrophoresis in biotechnology," Tibtech, 15:426-432 (1997).		
	C38	QIN et al., "Photolithography with transparent reflective photomasks," J. Vac.Sci. Technology, 16(1):98-103 (1998).		
	C39	QIN et al., "Elastomeric Light Valves**", Adv. Mater., 1997, pp.407-410, Vol. 9, No. 5.		
	C40	RAPP. R., "LIGA micropump for gases and liquids," Sensors and Actuators A, 1994, pp.57-61, Vol. 40.		
	C41	ROYLANCE et al., "A Batch-Fabricated Silicon Accelerometer", IEEE Transactions on Electron Devices, December 1979, pp. 1911-1917, Vol. ED-26, No. 12.		
	C42	SCHASFOORT et al., "Field-Effect Flow Control for Microfabricated Fluidic Networks," Science, 1999, 286:942-945.		
	C43	SCHUELLER et al., "Fabrication of glassy carbon microstructures by soft lithography," Sensors and Actuators, 72(2):125-139 (1999).		
	C44	SHOJI et al.; "Smallest Dead Volume Microvalves for Integrated Chemical Analyzing Systems", Proceedings of Transducers '91, 1991, pp. 1052-1055, San Francisco		
	C45	SHOJI, S., "Fluids for Sensor Systems", Topics in Current Chemistry, 1998, pp. 162-188, Vol. 194, Springer Verlag Berlin Heidelberg.		
	C46	SMITS, J.G., "Piezoelectric Micropump with Three Valves Working Peristaltically", Sensors and Actuators, 1990, pp. 203-206, Vol. A21-A23.		
	C47	SOHN et al., "Capacitance cytometry: Measuring biological cells one by one," PNAS, 97(20):10687-10690 (2000).		
	C48	TUFTE et al., "Silicon Diffused-Element Piezoresistive Diaphragms," J. Appl. Phys., November 1962, pp. 3322-3327, Vol. 33, No. 11.		
	C49	Ullmann's Encyclopedia of Industrial Chemistry, Sections 6 to 6.3, Topic: Carbon Black, Sixth Edition, 1999		

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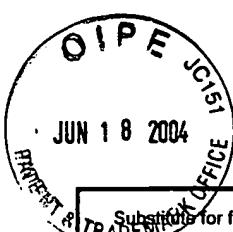
Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
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				<i>Art Unit</i>	1641
				<i>Examiner Name</i>	Cook, Lisa V.
Sheet	7	of	8	<i>Attorney Docket Number</i>	20174C-002410US

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	C50	VAN DE POL et al., "Micro Liquid Handling Devices - A Review", Micro Systems Technologies, 1990, pp. 799-805, Vol. 90.		T ²
	C51	VAN DE POL, F.C.M. et al. "A Thermo-Pneumatic Actuation Principle for a Microminiature Pump and Other Micromechanical Devices" Sensors and Actuators, 3 May 1989, pp. 139-143, Vol. 17, Nos. 1-2.		
	C52	VIEIDER et al.; "A Pneumatically Actuated Micro Valve with a Silicon Rubber Membrane for Integration with Fluid Handling Systems", Proceedings of Transducers '95, the 8th International Conference on Solid-State Sensors and Actuators and Eurosensors IX, held in Stockholm, Sweden on 6/25-29/95, 1995, pp. 284-286, Stockholm, Sweden.		
	C53	WASHIZU et al., "Molecular Dielectrophoresis of Biopolymers," IEEE Transactions on Industry Applications, 1994, 30(4):835-843.		
	C54	XIA et al., "Complex Optical Surfaces Formed by Replica Molding Against Elastomeric Masters," Science, 1996, 273:347-349.		
	C55	XIA et al., "Soft Lithography," Angew. Chem. Int. Ed., 1998, 37:551-575.		
	C56	XIA, Y. et al., "Micromolding of Polymers in Capillaries: Applications in Microfabrication," Chemistry of Materials, 8(7):1558-1567 (1996).		
	C57	YANG et al. "A Mems Thermopneumatic Silicone Membrane Valve", Proceedings of IEEE 10th Annual International Workshop on MicroElectro Mechanical Systems, Sensors and Actuators, 1998, A64(1):101-108.		
	C58	YANG et al., "A MEMS Thermopneumatic silicone Membrane Valve," Proceedings of the IEEE 10th Annual Workshop of Micro Electro Mechanical Systems Workshop (MEMS '97), held 1/26-30/97 in Nagoya, Japan, pages 114-118 (1997).		
	C59	YAZDI et al. "Micromachined Inertial Sensors," Proceedings of IEEE, 1998, 86(8):1640-1659.		
	C60	YOUNG et al. "Contoured elastic-membrane microvalves for microfluidic network integration," J. Biomechanical Engineering, 1999, 121:2-6.		
	C61	Zengerle et al., "A Micro Membrane Pump with Electrostatic Actuation," 1992 IEEE Conf. on Micro Electro Mechanical Systems, held 2/4-7/92 in Travemunde Germany, pgs. 19-24.		

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	C62	Zengerle et al., "Performance Simulation of Microminiaturized Membrane Pumps," from 7th International Conference on Solid-State Sensors and Actuators held 6/7-10/93 in Yokohama Japan, pages 106-109	

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